

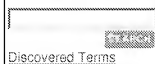

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1 [FLIP: a flexible interconnection protocol for heterogeneous internetw](#)

Ignacio Solis, Katia Obraczka

 August 2004 **Mobile Networks and Applications**, Volume 9 Issue 4

Publisher: Kluwer Academic Publishers

 Full text available: Pdf (549.43 KB) [Additional Information: full citation, abstract, re](#)
Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 92, Citation

This paper describes the Flexible Interconnection Protocol, or FLIP, who interconnection of heterogeneous devices with varying power, processin capabilities, ranging from simple sensors to more powerful computing ..

Keywords: flexible headers, heterogeneous networks, optimized head

2 [Network exception handlers: host-network control in enterprise netw](#)

Thomas Karagiannis, Richard Mortier, Antony Rowstron

 August 2008 **SIGCOMM '08: Proceedings of the ACM SIGCOMM 2008 confe**
 communication

Publisher: ACM [Request Permissions](#)

 Full text available: Pdf (417.26 KB) [Additional Information: full citation, abstract, re](#)
Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 179, Citatit

Enterprise network architecture and management have followed the Int despite different requirements and characteristics: enterprise hosts are authority, which intrinsically assigns different values to ...

Keywords: enterprise networks, management, network exception hanc

Also published in:

 October 2008 **SIGCOMM Computer Communication Review** Volume 38 Issue

3 [A secure ad-hoc routing approach using localized self-healing comm](#)

 Jiejun Kong, Xiaoyang Hong, Yunjung Yi, Joon-Sang Park, Jun Liu, Marie G
 May 2005 **MobiHoc '05: Proceedings of the 6th ACM international sympo**
 networking and computing


Publisher: ACM [Request Permissions](#)


 Full text available: Pdf (222.15 KB) [Additional Information: full citation, abstract, re](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 186, Citatic

Mobile ad hoc networks (MANETs) are vulnerable to routing attacks, esp non-cooperative (selfish or compromised) network members and appear. For instance, since packet loss is common in mobile wireless ...

Keywords: community-based security, self-healing ad hoc routing



- 4 [Gigascope: a stream database for network applications](#)
 Chuck Cranor, Theodore Johnson, Oliver Spatschek, Vladislav Shkapenyuk
 June 2003 **SIGMOD '03: Proceedings of the 2003 ACM SIGMOD international Management of data**

Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (133.50 KB) **Additional Information:** [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 324, Citatic

We have developed *Gigascope*, a stream database for network applications. It supports intrusion detection, router configuration analysis, network research, network performance monitoring and debugging. Gigascope is ...


- 5 [On the slate of IP spoofing defense](#)
 Toby Ehrenkrantz, Jun Li
 May 2009 **Transactions on Internet Technology (TOIT)**, Volume 9 Issue

Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (618.59 KB) **Additional Information:** [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 131, Downloads (12 Months): 131, Citatic

IP source address spoofing has plagued the Internet for many years. At the same time, it has provided a means to mount attacks and redirect blame. Researchers have proposed various defenses to defend against spoofing, with varying levels of success. With the defenses


Keywords: IP spoofing, packet filtering, spoofing defense, spoofing packet

- 6 [Architectural requirements and scalability of the NAS parallel benchmark](#)
 Frederick C. Wong, Richard P. Martin, Remzi H. Arpac-Dusseau, David E. Culler
 January 1999 **Supercomputing '99: Proceedings of the 1999 ACM/IEEE conference on Supercomputing**

Publisher: ACM
 Full text available:  Pdf (211.25 KB) **Additional Information:** [full citation](#), [references](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 42, Citation

- 7 [Creating private network overlays for high performance scientific computing](#)
 Edward Waikar
 November 2007 **Middleware '07: Proceedings of the ACM/IFIP/USENIX 2007 International Conference on Middleware**


Publisher: Springer-Verlag New York, Inc.
 Full text available:  Pdf (3.23 MB) **Additional Information:** [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 10, Citation

In this paper we describe an approach in creating private network overlaid on the dynamic creation of personal clusters on-demand. These personal clusters submit job proxies to High Performance Computing (HPC) ...

Keywords: cluster computing, high performance computing, overlay network management

8 Trustworthy and personalized computing on public kiosks

 Scott Garriss, Ramón Cáceres, Stefan Berger, Reiner Sailer, Leendert van der Meulen
June 2008 **MobiSys '08: Proceeding of the 6th international conference on mobile systems, applications, and services**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (349.02 KB) [Additional Information: full citation, abstract, references](#)


Bibliometrics: Downloads (6 Weeks): 58, Downloads (12 Months): 312, Citations: 1

Many people desire ubiquitous access to their personal computing environment in which a user leverages a personal mobile device to establish a secure session with a device, or kiosk, prior to resuming her environment on the ...

Keywords: integrity verification, kiosk computing, mobility, personalized computing, platform module, virtualization

9 Outdoor experimental comparison of four ad hoc routing algorithms

 Robert S. Gray, David Kotz, Calvin Newport, Nikita Dubrovsky, Aaron Fiske, Masomeh Masone, Susan McGrath, Youguo Yuan
October 2004 **MSWIM '04: Proceedings of the 7th ACM international symposium on mobile systems, applications, and simulation of wireless and mobile systems**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (148.16 KB) [Additional Information: full citation, abstract, references](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 76, Citations: 1


Most comparisons of wireless ad hoc routing algorithms involve simulated outdoor runs with only a small number of nodes, potentially leading to misleading algorithm performance. In this paper, we report on ...

Keywords: 802.11, MANET, mobile computing, wireless ad hoc routing

10 Communications of the ACM: Volume 51 Issue 7

 July 2008 Communications of the ACM

Publisher: ACM

Full text available:  Digital Edition,  Pdf (6.54 MB) [Additional Information: full citation, abstract, references](#)

Bibliometrics: Downloads (6 Weeks): 3945, Downloads (12 Months): 6536, Citations: 1

11 AMTree: an active approach to multicasting in mobile networks



Kwan-Wu Chin, Mohan Kumar

August 2001 **Mobile Networks and Applications**, Volume 6 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (250.85 KB)Additional Information: [full citation](#), [abstract](#), [re](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 21, Citation

Active networks (ANs) are a new paradigm in computer networking. In , injected into routers and switches to extend the functionalities of the ne programmers to enhance existing protocols and enables the rapid deplo

Keywords: active networks, mobile/wireless networks, multicast**12** [Securing quality-of-service route discovery in on-demand routing for](#) Yin-Chun Hu, David B. JohnsonOctober 2004 **SASN '04: Proceedings of the 2nd ACM workshop on Security networks****Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (218.91 KB)Additional Information: [full citation](#), [abstract](#), [re](#)**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 116, Citatio

An ad hoc network is a collection of computers (nodes) that cooperate t other over a multihop wireless network. Users of such networks may wi applications such as videoconferencing, Voice over IP, and streaming ...

Keywords: QoS routing, SQoS, ad hoc networks, quality-of-service, se**13** [Beyond folklore: observations on fragmented traffic](#)

Colleen Shannon, David Moore, K. C. Claffy

December 2002 **IEEE/ ACM Transactions on Networking (TON)** , Volume**Publisher:** IEEE PressFull text available:  Pdf (535.41 KB)Additional Information: [full citation](#), [abstract](#), [re](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 63, Citation

Fragmented IP traffic is a poorly understood component of the overall n Many assertions about the nature and extent of fragmented traffic are e empirical. In this paper we examine the causes and attributes ...

Keywords: TCP/IP, fragment, fragmentation, measurement, traffic me.**14** [QoS experiences in native IPv6 networks](#)


Athanassios Liakopoulos, Dimitrios Kalođerias, Vasilis Maglaris, Dimitris Pri

February 2009 **International Journal of Network Management** , Volume 1**Publisher:** John Wiley & Sons, Inc.Full text available:  Pdf (724.11 KB)Additional Information: [full citation](#), [abstract](#), [re](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 5, Citation C

Deployment of IPv6 technology in research and commercial networks h: years. Inevitably, as more advanced services take advantage of the nev gradually increases. Today, there is limited experience ...

Simulation of the 3 dimensional cascade flow with numerical wind tunnel
 Takashi Nakamura, Toshiyuki Iwamiya, Masahiro Yoshida, Yuichi Matsuo, et al.
 November 1996 **Supercomputing '96**: Proceedings of the 1996 ACM/IEEE Supercomputing (CDROM)

Publisher: IEEE Computer Society

Full text available:  Pdf (120.40 KB)

Additional Information: [full citation](#), [abstract](#), [request permissions](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 12, Citation


The NWT was reinforced to get 280 GFLOPS of theoretical peak performance per PE to the original 140 PEs. On a CFD simulation of jet engine compressor performance speed of 111 GFLOPS using 160 PEs.

16 Performance modeling and evaluation of data/voice services in wireless networks

Jae-Hyun Kim, Hyun-Jin Lee, Sung-Min Oh, Sung-Hyun Cho

March 2008 **Wireless Networks**, Volume 14 Issue 2

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (506.13 KB)

Additional Information: [full citation](#), [abstract](#), [request permissions](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 196, Citation

Application-level performance is a key to the adoption and success of the network. In order to improve performance in advance, a detailed end-to-end simulation model of a GPRS network should include application traffic characteristics, network architecture, ...


Keywords: 3G technology evolution, CDMA 2000, QoS, performance measurement

17 On the cost of caching locator/ID mappings

 Luigi Jannone, Olivier Bonaventure

December 2007 **CoNEXT '07**: Proceedings of the 2007 ACM CoNEXT conference

Publisher: ACM

Full text available:  Pdf (548.38 KB)

Additional Information: [full citation](#), [abstract](#), [request permissions](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 81, Citation


Very recent activities in the IETF and in the Routing Research Group (RRG) are defining a new Internet architecture, in order to solve scalability issues of current routing. The approach that is being explored is based on ...

Keywords: LISP, addressing, internet architecture, locator/ID separation

18 A dynamic core based multicast routing protocol for ad hoc wireless networks

 Subir Kumar Das, B. S. B. S. Manoj, C. Siva Ram Murthy

June 2002 **MobiHoc '02**: Proceedings of the 3rd ACM international symposium on mobile computing and networking & computing

Publisher: ACM 

Full text available:  Pdf (195.60 KB)

Additional Information: [full citation](#), [abstract](#), [request permissions](#)


Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 133, Citation

Ad hoc wireless networks are self-organizing dynamic topology network where mobile nodes communicate through radio links. Minimal configuration absence of infrastructure is a key feature of ad hoc networks.

deployment make them convenient for emergency situations other ...


Keywords: ad hoc wireless networks multicast routing, dynamic core, I

19 [TCP/IP performance over 3G wireless links with rate and delay varia](#)

 Mun Choon Chan, Ramachandran Ramjee

September 2002 **MobiCom '02: Proceedings of the 8th annual international computing and networking**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (317.14 KB) [Additional Information: full citation, abstract, re](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 133, Citati


Wireless link losses result in poor TCP throughput since losses are perce resulting in source throttling. In order to mitigate this effect, 3G wireles augmented their system with extensive local retransmission ...

Keywords: 3G wireless, TCP, link and rate variation

20 [Wireless sensor networks for habitat monitoring](#)

 Alan Mainwaring, David Culler, Joseph Polastre, Robert Szewczyk, John An September 2002 **WSNA '02: Proceedings of the 1st ACM international work networks and applications**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (542.04 KB) [Additional Information: full citation, abstract, re](#)

Bibliometrics: Downloads (6 Weeks): 227, Downloads (12 Months): 1303, Citi

We provide an in-depth study of applying wireless sensor networks to r A set of system design requirements are developed that cover the hard design of the sensor network, and the capabilities ...

Keywords: environmental monitoring, habitat monitoring, low power s architecture, wireless sensor networks

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